

Translation of Annexes to the International Preliminary Examination
Report For PCT/EP2003/010727

NEW CLAIMS

1. Sanitary component (1) that has a jet regulating device in the interior of a mounting housing for (6) the separation of the inflowing fluid flow into a multitude of individual jets, downstream from the jet regulating device, said jet regulating device including at least one mounted element (5) that can be mounted in the mounting housing (6), that has ridges (11) oriented transverse to the direction of flow, between which passageways are defined, whereby the ridges (11) of at least one mounted element (5a, 5b, 5c, 5d, 5e) are arranged in the form of a grid or mesh, crossing itself at junction points (10), and whereby at least one mounted element (5a, 5c) of the jet regulating device (4) is arranged relative to the jet separating device such that the individual jets impinge upon junction points (10) of at least one mounted element (5a, 5c).
2. Component according to claim 1, characterized in that the jet separating device is shaped as a perforated plate (2).
3. Component according to claims 1 or 2, characterized in that at least two neighboring mounted elements (5a, 5b, 5c, 5d, 5e) are provided with ridges (11) arranged in the form of a grid or mesh.
4. Component according to one of the claims 1 through 3,

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characterized in that the ridges (11) and the junction points (10) of at least two neighboring mounted elements (5a, 5b) align with one another.

5. Component according to one of the claims 1 through 4, characterized in that at least two mounted elements (5a, 5b) are constructed in the same way.

6. Component according to one of the claims 1 through 5, characterized in that the passageways (12) of one of these mounted elements (5a, 5c) are downstream of the junction points (10) of the neighboring mounted elements (5b, 5e) in the direction of the flow.

7. Component according to one of the claims 1 through 6, characterized in that at least one mounted element (5) on the inflow- and/or outflow side is arranged in a layer that is preferably oriented transverse to the direction of flow.

8. Component according to one of the claims 1 through 7, characterized in that a mounted element (5a, 5b) on the flow- and/or outflow side is arranged in the form of a grid and possesses two groups of parallel grid ridges (11) that cross one another.

9. Component according to one of the claims 1 through 8, characterized in that one mounted element (5c, 5e) on the inflow- and/or outflow side has a group of radial ridges (11') that cross themselves at the junction points (10) with a group of rotary ridges (11'') that are concentric and in the form of a ring.

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10. Component according to one of the claims 1 through 9, characterized in that one mounted element (5d) on the inflow- and/or outflow side has ridges (11) that cross themselves in a radial manner or in the form of a mesh.

11. Component according to one of the claims 1 through 10, characterized in that the ridges (11) of at least one mounted element (5) are arranged in layer preferably oriented transverse to the direction of flow.

12. Component according to one of the claims 1 through 11, characterized in that the mounted elements (5) are shaped in the form of discs.

13. Component according to one of the claims 1 through 12, characterized in that the jet regulating device (4) is downstream on the outflow side of a flow regulator (14), that possesses passage openings (15) whose opening width (15) is smaller than the level in the direction of flow.

14. Component according to one of the claims 1 through 13, characterized in that the flow regulator (14) is attached at the discharge end of the mounting housing (6).

15. Component according to one of the claims 1 through 14, characterized in that the flow regulator (14) is connected in one piece with the mounting housing (6) or can be directly mounted in the mounting housing (6) as a separate mounted element.

16. Component according to one of the claims 1 through 15, characterized in that the flow regulator (14) has passage

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openings (15) that are rectangular, in the form of segments of a circle or in the form of a honeycomb.

17. Component according to one of the claims 1 through 16, characterized in that the mounting housing is divided into at least two housing parts (7, 8), such that the housing parts (7,8) that are preferably detachable can be combined with one another, and such that a housing part (7) on the inflow side is solidly and intractably connected with the perforated plate (3).

18. Component according to one of the claims 1 through 17, characterized in that the jet separating device (2) is combined in one piece with the housing part (7) attached to it.

19. Component according to one of the claims 1 through 18, characterized in that mounting housing (6) has two housing parts (7, 8) that are preferably detachable that can be combined with one another and oriented transverse to the direction of flow.

20. Component according to one of the claims 1 through 19, characterized in that the detachable housing parts (7, 8) of the mounting housing (6) can be connected with one another.

21. Component according to one of the claims 1 through 20, characterized in that a housing part (8) on the outflow side is attached in the form of a sleeve and can be mounted in this housing part (8) of at least one mounted element (5) of the jet regulating device (4).

22. Component according to one of the claims 1 through 22,

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characterized in that the housing part (8) is assigned to the jet regulating device (4) of at least one mounted element (5) from whose inflow side out to a plug stop (9) or a support can be mounted.

23. Component according to one of the claims 1 through 22, characterized in that the mounting housing formed of at least two housing parts (7, 8) that can be combined with one another are optionally attached in the jet regulating device that can be mounted in the mounting housing.

24. Component according to one of the claims 1 through 23, characterized in that the jet regulating device and/or the flow regulator possesses at least one metal filter.

25. Component according to one of the claims 1 through 24, characterized in that the jet regulating device of the component (1) is constructed in a modular manner and their multiple optional mounted elements (5a, 5b, 5c, 5e) are attached to one another.

26. Component according to one of the claims 1 through 25, characterized in that the mounted elements (5), of which there are at least two, are arranged one after another at a distance.

27. Component according to one of the claims 1 through 26, characterized in that the housing part (8) on the outflow side possesses at least one soft and/or water-repellent water surface at least in the area of the water discharge opening.

28. Component according to one of the claims 1 through 27,

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characterized in that the housing part (8) on the outflow side is manufactured out of an elastic material at least in the area of the water discharge opening.

29. Component according to one of the claims 1 through 28, characterized in that the housing part (8) on the outflow side is manufactured substantially out of an elastic material and/or a material with soft or water-repellent surface.

30. Component according to one of the claims 1 through 29, characterized in that the housing part (8) on the outflow side is braced by longitudinal ridges (22) in the circumference direction that are distributed, preferably in an equal manner.

31. Component according to one of the claims 1 through 30, characterized in that the longitudinal ridges (22) are provided at least in the area of the discharge opening.

32. Component according to one of the claims 1 through 31, characterized in that the housing part (8) on the outflow side in the area of the water discharge opening possesses at least one constriction (23) or equivalent narrowing of its flow-through cross section.

33. Component according to one of the claims 1 through 32, characterized in that the housing part (8) on the outflow side can be combined with the neighboring housing part (7) on the inflow side, preferably via a particular rotary snap-on connection.

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